

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1299529

Luminaire Tested: P3A17R20W2N902750DE010 E3DL1WMH\_2700K

Issue Date: 1/30/2026

**Test Information**

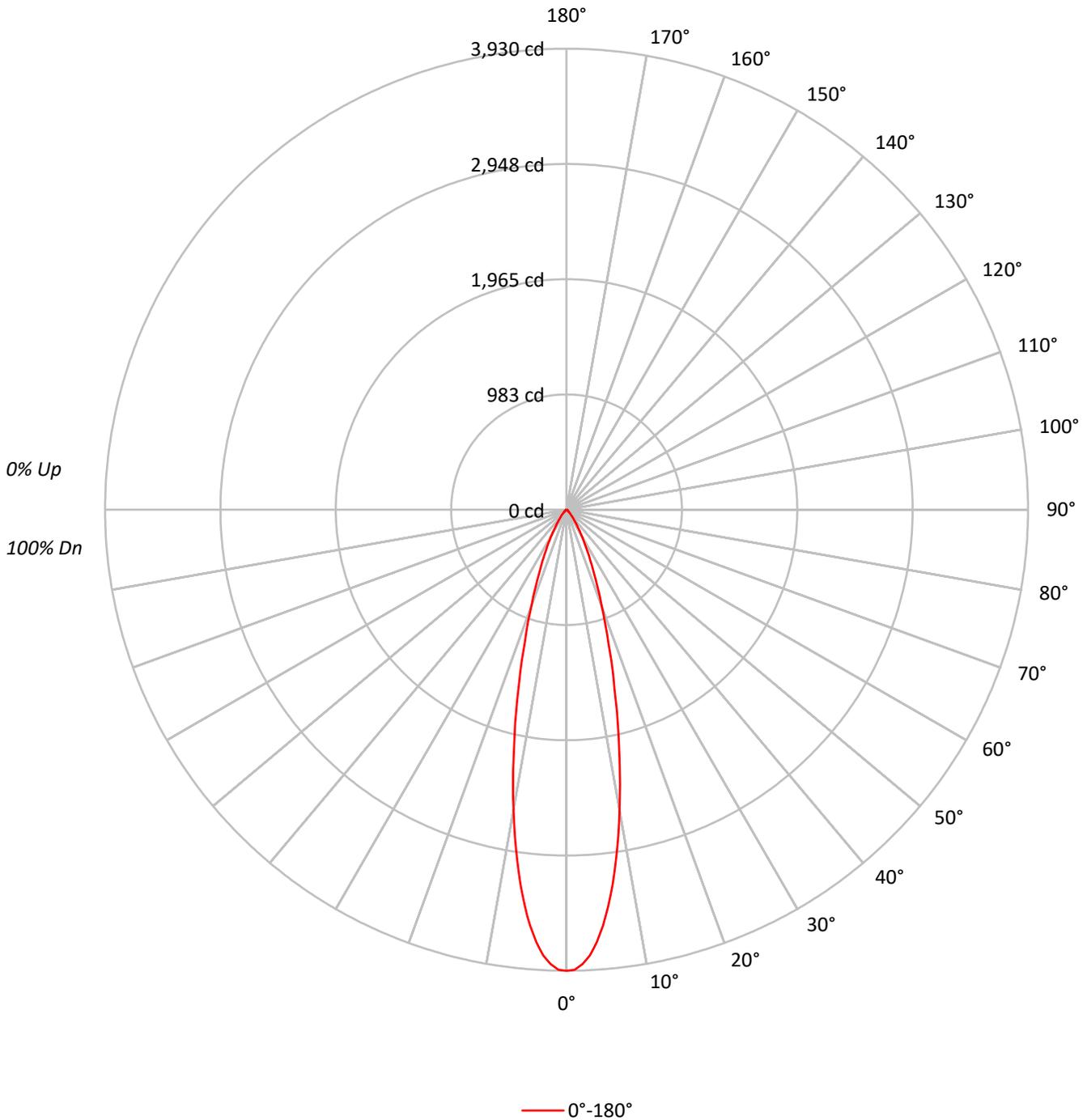
Test Method: LM-79-2019  
Report Number: P1299529  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R20W2N902750DE010 E3DL1WMH\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1120.0 lumens  
Efficiency: N/A  
Efficacy: 57.7 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91		
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87		
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83		
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79		
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76		
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73		
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71		
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	68		
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66		

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	861707
5°	783313
10°	578925
15°	358118
20°	204511
25°	116765
30°	65478
35°	35630
40°	19522
45°	10730
50°	6277
55°	4549
60°	4254
65°	3943
70°	3462
75°	3643
80°	2778
85°	2768

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10730 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.2	27.5
10°-20°	439.9	39.3
20°-30°	229.6	20.5
30°-40°	88.8	7.9
40°-50°	28.8	2.6
50°-60°	11.3	1.0
60°-70°	7.5	0.7
70°-80°	4.4	0.4
80°-90°	1.5	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	977.7	87.3
0°-40°	1066.5	95.2
0°-60°	1106.6	98.8
0°-90°	1120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1120.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3930	
5°	3559	308
15°	1578	440
25°	483	230
35°	133	89
45°	35	29
55°	12	11
65°	8	8
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3929.7
1°	3922.1
2°	3875.6
3°	3804.2
4°	3693.9
5°	3558.6
6°	3398.5
7°	3221.0
8°	3015.5
9°	2815.3
10°	2600.0
12.5°	2066.6
15°	1577.5
17.5°	1180.4
20°	876.4
22.5°	649.2
25°	482.6
27.5°	356.0
30°	258.6
32.5°	187.2
35°	133.1
37.5°	96.3
40°	68.2
42.5°	48.7
45°	34.6
47.5°	24.9
50°	18.4
52.5°	14.1
55°	11.9
57.5°	10.8
60°	9.7
62.5°	8.7
65°	7.6
67.5°	6.5
70°	5.4
72.5°	5.4
75°	4.3
77.5°	3.2
80°	2.2
82.5°	2.2
85°	1.1
87.5°	1.1
90°	0.0

(END OF REPORT)